Roadstar®
AUDIO-VIDEO

Service Manual

VCM-700

SURVEILLANCE SYSTEM

Roadstar

TECHNICAL GUIDE

ANTCO – 70 / ANTCO –75

COMPACT VIDEO CAMERA
WITH
5" MONITOR

1. SPECIFICATION FOR CONDITIONING
2. FUNCTION ADJUSTMENT OF VARIABLE REGISTERS
3. VOLTAGE CHART

SPECIFICATION FOR CONDITIONING

I. MONITOR UNIT

AA. B+ SETTING

1. CHECK - POINT NO.1 : IF MONITOR IS NOT ACTIVATED WITHE NORMAL CONDITION :

   1) CHECK THAT THE VOLTAGE OF POWER SUPPLY IS 17.0V THAT THE VOLTAGE

   2) CHECK TO ADJUST THE VOLTAGE 10.5V± 0.1 BY VR401

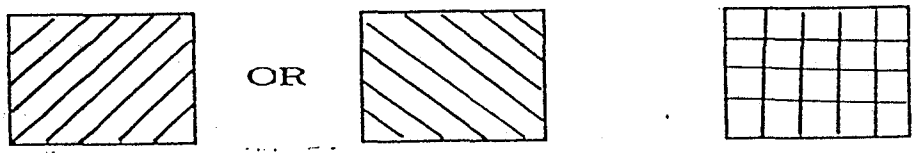
   3) CHECK TO ADJUST CAMERA B+ 13.5V± 0.1 BY VR402

BB. HORIZONTAL HOLD SETTING

1. CHECK - POINT NO.1 : IF THE HORIZONTAL HOLD IS ABNORMAL CONDITION :

   1) CHECK THAT THE FREQUENCY OF @302 COLLECTOR IS ADJUSTED TO 15.75KHz ± 1KHz BY VR303

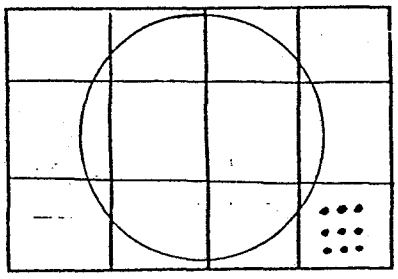
   2) CHECK TO KEEP THE FREQUENCY 15.75KHz± 1KHz THROUGH POWER SWITCH ON/OFF



CC. DEFLECTION YOKE ADJUSTMENT

1. CHECK-POINT NO. 1

   1) CHECK TO ADJUST THE MAGNET RING OF DY AS BELOW WITH PATTERN GENERATOR



2. CHECK TO ADJUST THE PATTERN ALIGNMENT COR CROSS HATCH BAR WHICH SHOULD BE CONTER POSITION ON MONITOR

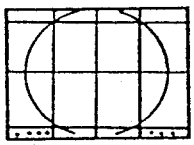
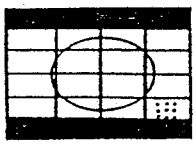
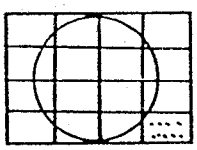
DD. VERTICAL SIZE SETTING

1. CHECK - POINT NO. 1

1) CHECK TO RECEIVE THE PATTERN OR CROSS HATCH BAR FROM PATTERN GENERATOR

2) CHECK TO ADJUST THE BRIGHTNESS AND CONTRAST MAX CONDITION, AND THE PATTERN IS FIXED AFTER SETTING V-HOLD AT FINAL POSITION

3) CHECK TO ADJUST VR-302 AS BELOW


OR



4) CHECK THAT THE VERTICAL ORERSCAN IS LOSS THAN 10%

EE. FOCUS & SCREEN ADJUSTMENT

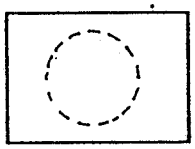
1. CHECK - POINT NO. 1

1) CHECK TO RECEIVE THE CROSS DOT OR CROSS HATCH BAR FROM PATTERN GENERATOR

2) CHECK TO ADJUST THE CONTRAST AND BRIGHTHESS MAX CONDITION

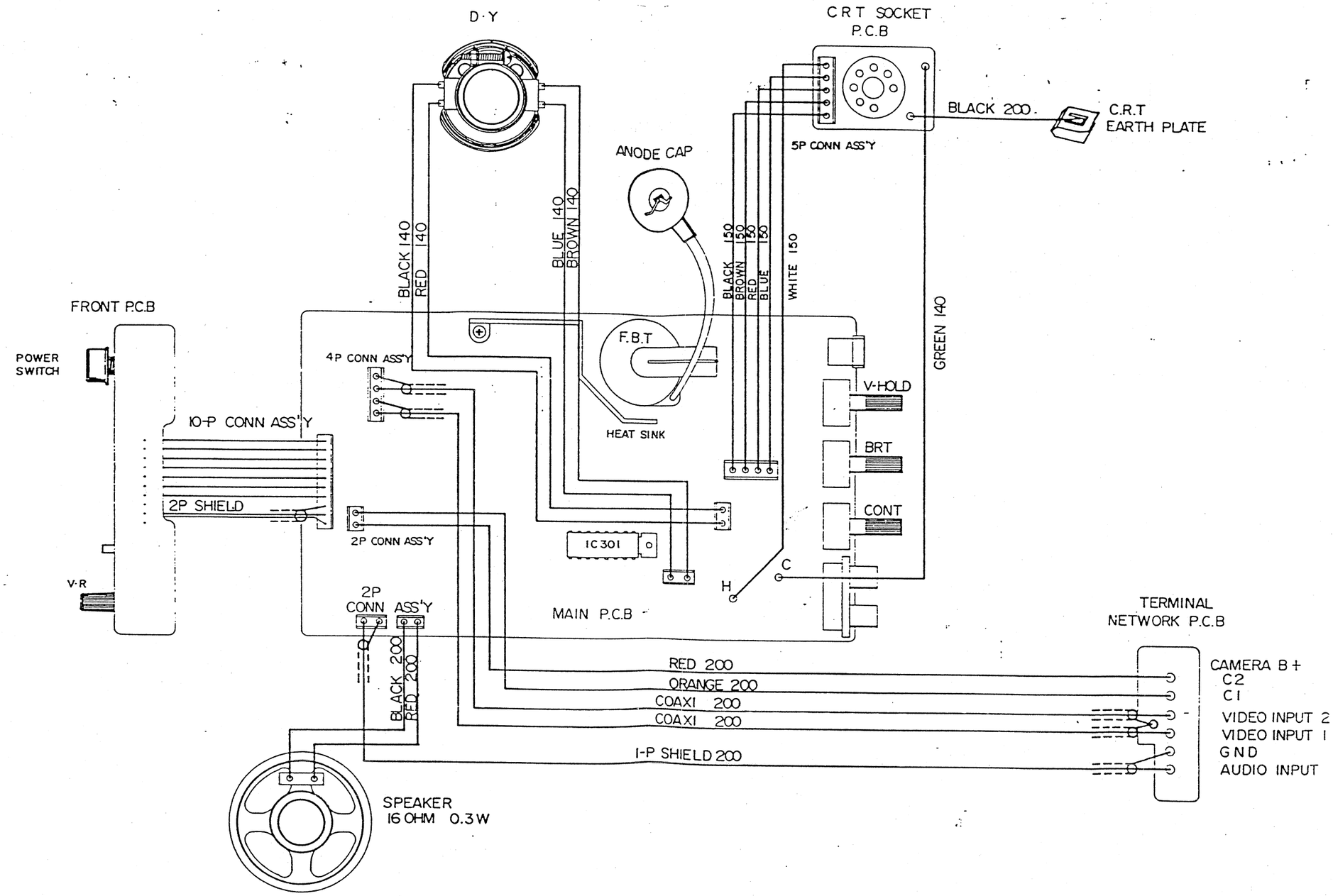
3) CHECK TO ADJUST THE SCREEN BY VR305

4) CHECK TO ADJUST THE FOCUS BY VR304 AS BELOW



5) CHECK TO ADJUST PATTERN SIGNEL TO STAIRCASE AND TO ADJUST THE SCREEN BY VR305 AS BELOW

ANTCO 75 WIRING DIAGRAM



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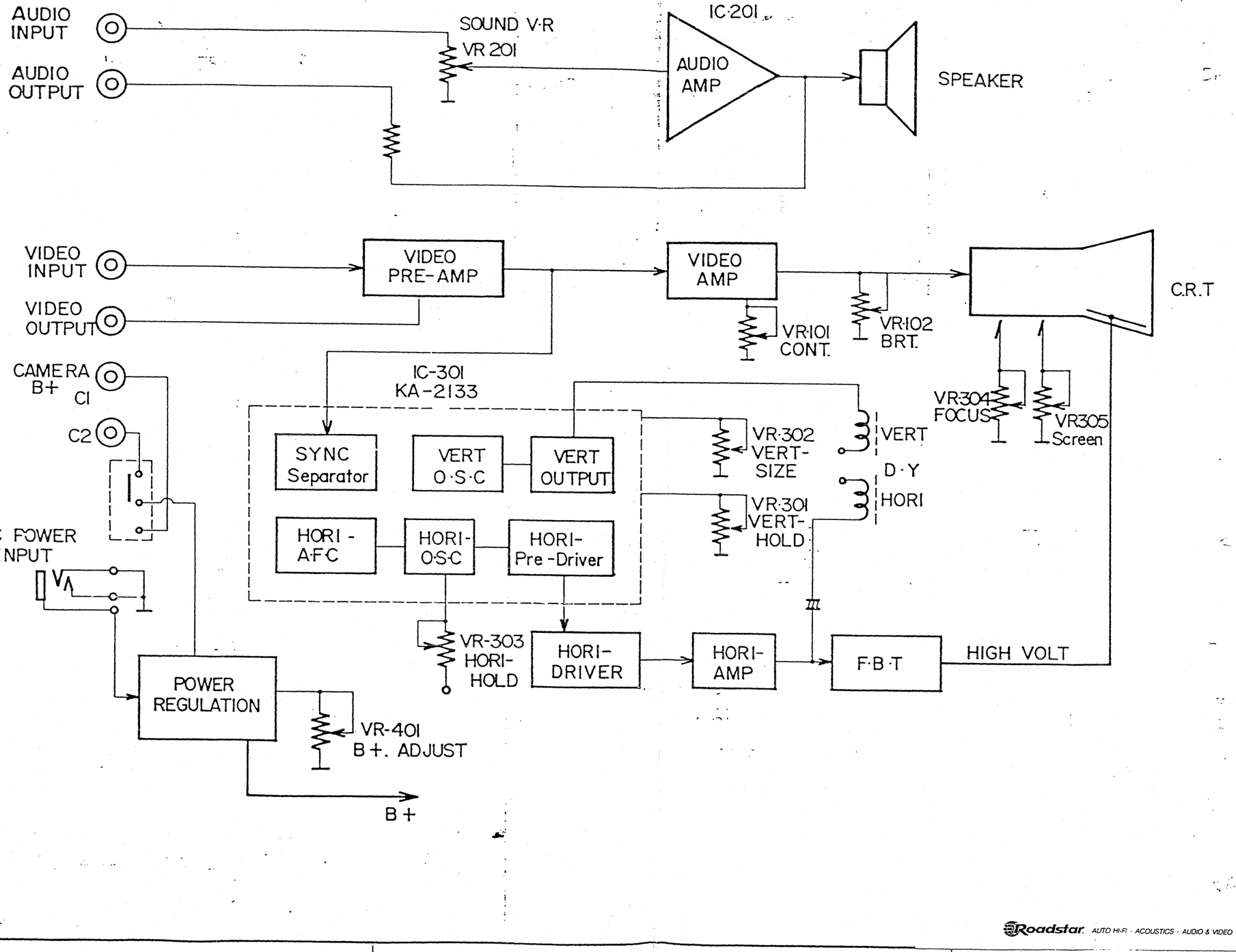
ANTCO 75 BLOCK DIAGRAM



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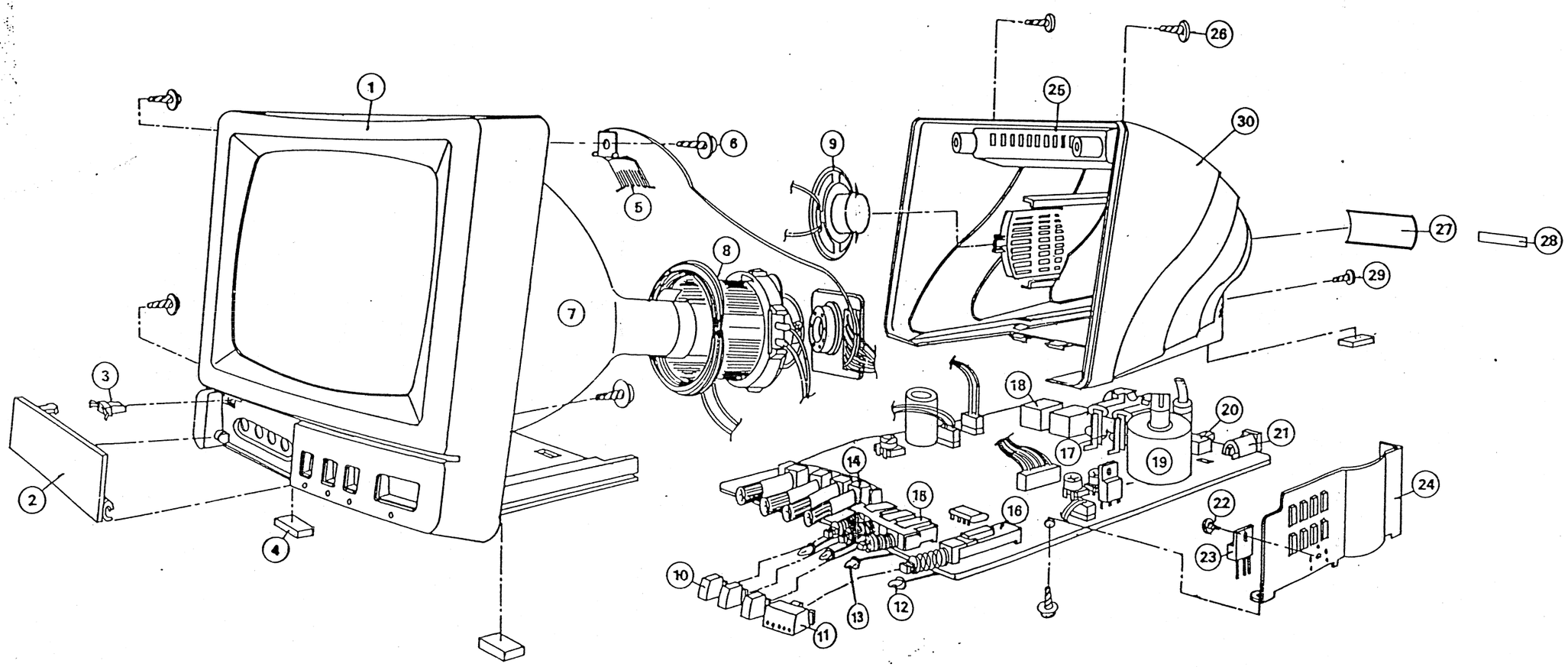
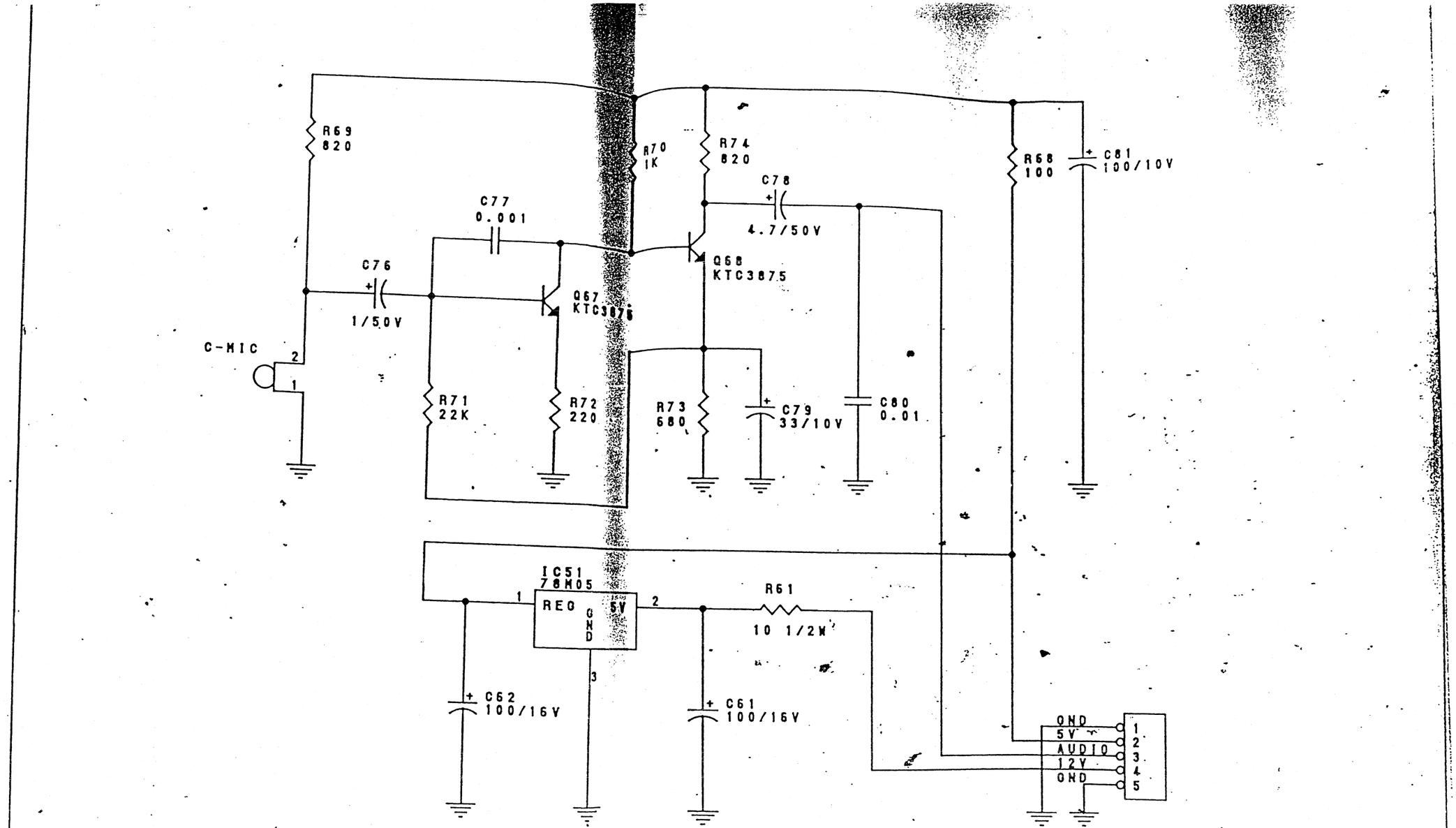
A2(420×594)

NO	CODE NO.	DESCRIRTION	SPECIFICATION	Q'TY
1	6008-00601-010	CABINET (FRONT)	JCM-551 WHITE/G	1
2	6231-30601-010	DOOR	JCM-551 WHITE/G	1
3	3412-00001-000	DOOR LOCK	LA701-S	1
4	7210-30601-900	FOOT RUBBER	8 X 12E X 3T	2
5	6788-30603-000	EARTH PLATE	JCM-551 16 X 27T0.3	1
6	7756-21260-910	SCREW	FL/WT/S BHT T2(W/WH 3 X 10L FZW	4
7	5001-10552-401	CRT	BAND 5.5" 70 20 (5KTH4)	1
8	5005-12006-001	DY	DY 5" SJA-H002	1
9	4801-10003-000	SPEAKER	601C 0.2W ALNTCO	1
10	6350-30501-000	FUNCTION KONB	JCM 551 WHITE	3
11	6356-30601-000	POWER KONB	JCM 551. WHITE	1
12	2009-11100-200	LED DIODE	RED SLR-34VR3	1
13	2009-11200-300	LED DIODE	GREEN SLR-34MG3	3
14	1603-00606-000	V/R	4BLOCK RK09Z4410	1
15	3403-22003-113	PUSH SWITCH	SPUJ31 X RC (MULTI 3KEYS)	1
16	3403-42001-111	PUSH SWITCH	SPUJ19 X 8M	1
17	3604-00002-000	RCA JACK	JW 4104	1
18	3606-00100-000	JACK MINI DIN	DB-91010-1 4P	2
19	6004-10600-020	FBT	5" TME10A04 DEN	1
20	3402-62004-000	SLIDE SWITCH	2C-2P (JCM 551)	1
21	3602-00003-000	DC POWER JACK	JW0201	1
22	7756-22300-810	SCREW	T/S BHT T2C 3 X 8L FZW	1
23	2104-11004-100	IC REGULATOR	L7812CV	1
24	6731-30601-000	HEAT SINK	JCM-551 85 X 110 X T 2.0	1
25	6009-00601-000	BACK CABINET	JCM-551 WHITE	1
26	7703-11301-100	SCREW	T/S FH+ T2 3 X 12L FNT	3
27	6791-30601-100	NAME PLATE	JCM 551 IN	1
28	8202-02000-400	SERIAL NO STICKE	JCM-551 IN	1
29	7756-21260-910	SCREW	FL/W T/S BHT T2(W WH) 3 X 10L FZW	1
30	6009-00601-000	CABINET(BACK)	JCM-551 WHITE	1

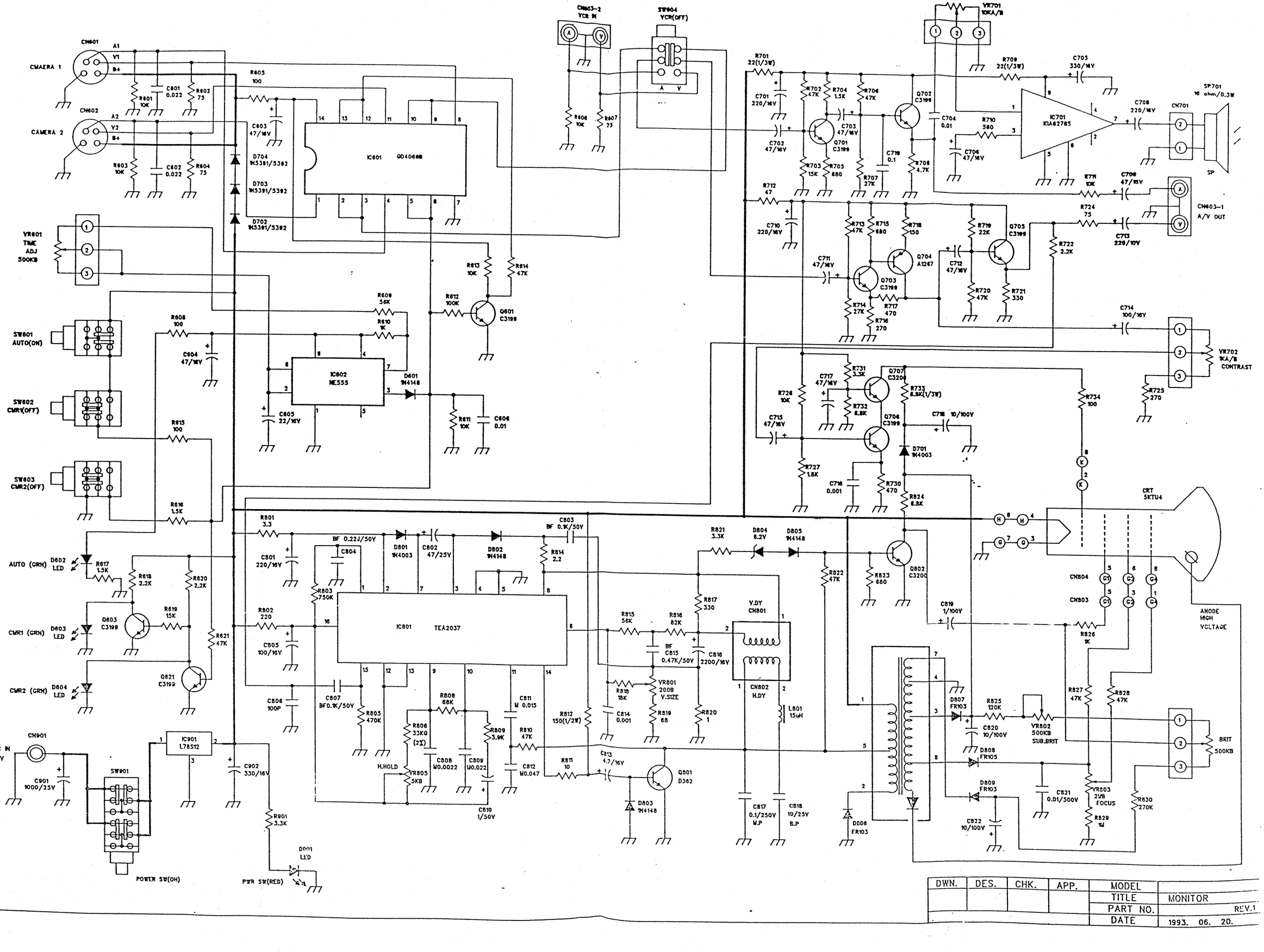


THIRD ANGLE PROJ	UNIT	SCALE	DATE	Q'TY	MATERIAL	FINISH & COLOR	REMARK

DWN	DES	CHK	CON	APP	MODEL NO	
					TITLE	EXPLODED VIEW



Title	AUDIO P.C.B	
Size	Document Number	REV



DWN.	DES.	CHK.	APP.	MODEL	
				TITLE	MONITOR
				PART NO.	REV.1
				DATE	1993. 06. 20.

TP2 TP1 TP3 TP4 TP5 TP6 TP7 TP8

L1 47uH -8V
L2 47uH 15V
L3 47uH
L4 47uH
L5 47uH
L6 12uH

C9 0.1u C8 22u/16V C5 0.1u C6 10u/25V C7 22/16V C4 1/25V
C24 330P C34 0.1u C38 0.001u C25 33P C26 33P C23 22/16V C36 680PF C35 100u/6.3V
C11 0.1 C12 0.001 C37 0.33u C21 2.2u C22 2.2u C29 0.01 C18 0.1
C13 22/16V C28 22u/16V C16 22P C17 1/50V C14 22/16V C15 1000P

R8 0 R52 33K R53 10K R1 3.3K R2 33 R4 22R R3 22K C2 0.01
R36 1K R37 1K R38 1K R39 1K R40 1K R41 1K
R47 22K R48 47K R46 2.2K
R45 10K R44 10K R42 1M R43 22R
R18 100K R17 10K R13 15K YR2K 2K R15 36K R16 10K R14 1K
R12 22K R28 39K R19 1K R51 1K
R32 47K R34 47K R35 3.3K R33 3.3K R58 10 R26 10K R27 13K R28 1K R29 27R R38 1K R25 1.8K R31 1K
R22 2.2K R21 1K R23 2.2K R24 100K
YR1 50K R5 100K R6 100K R7 100K C3 4.7/16V
YR4 2K C31 4.7/10V C30 4.7/10V C32 0.1 C33 0.1 C34 0.1
YR3 10K R49 75

IC2 MN31105A UPD16586
IC1 LZ2314
IC3 LZ95841
IC4 CXA1318AQ
IC5 LM2903
Q1 A-LO Q2 A-LO Q3 A-LO Q4 A50 Q5 A-LO
D1 KD9226 D2 KD9226

POWER

R102 1K
Q104 C3199 Q101 C3199 Q103 A-1267
L101 330uH
D102 C3199 D182 1N4148 D181 1N4148 D183 1N4148 D184 1N4148
R185 1.8K R163 220 R184 470
C104 2.2/50V C105 0.047 C106 2.2/50V C107 10/25V C108 2.2/50V C109 2.2/50V C110 10/25V
ZD1 16C ZD2 9.1B
R117 100(1/3W) LD1 LD2 LD3 LD4
IC1 78L05P R181 15(1/2W)
C103 47u/16V C102 47/16V C101 330u/16V

AUDIO

R118 10
R114 820 R112 1K R111 1K R116 22K R115 820 R113 27R
C116 4.7u C117 0.001u C111 22u/16V C112 4.7u C115 33u/16V
Q106 C-3199 Q105 C-3199

+5V -8V 15V 9V IN VIDEO OUT AUDIO

	EIA	CCIR
IC1	LZ2314	LZ2324
R45	10K	OPEN
X-TAL	19.0699	19.3125

DWN. DES. CHK. APP.
Title CAMERA
Size D Document Number RE
Date: November 13, 1993 Sheet of

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY
CN901	3602-00003-000	DC POWER JACK JW0201	1
	4401-02220-050	WI' CON' 24 2H-2.5-2C0-3	1
	4307-12900-000	TIN WIRE 0.6φ 26mm	20
	4417-37001-000	CRT SOCKET 5" 20φ	1
	4622-05070-010	PCB MONITOR	1
	5001-10502-401	CRT STD 5" 70° 20φ 나크	1
	5004-10500-030	FBT 5" TME10AC DEN-1	1
	5005-12005-002	DY 5" SJA-H003	1

PARTS LIST

CAMERA PCB

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY	REMARK
R1	1507-20332-610	RESISTOR CHIP 3.3kΩ, 1/10W	1	
R2	1507-20330-610	RESISTOR CHIP 33Ω, 1/10W	1	
R3	1507-20221-610	RESISTOR CHIP 220Ω, 1/10W	1	
R4	1507-20223-610	RESISTOR CHIP 22kΩ, 1/10W	1	
R5	1507-20104-610	RESISTOR CHIP 100kΩ, 1/10W	1	
R6	1507-20104-610	RESISTOR CHIP 100kΩ, 1/10W	1	
R7	1507-20223-610	RESISTOR CHIP 22kΩ, 1/10W	1	
R8	1507-20000-610	RESISTOR CHIP 0Ω, 1/10W	1	
R9	1507-20000-610	RESISTOR CHIP 0Ω, 1/10W	1	
R10	1507-20103-610	RESISTOR CHIP 10kΩ, 1/10W	1	
R12	1507-20223-610	RESISTOR CHIP 22kΩ, 1/10W	1	
R13	1507-20682-610	RESISTOR CHIP 6.8kΩ, 1/10W	1	
R14	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1	
R15	1507-20363-610	RESISTOR CHIP 36kΩ, 1/10W	1	
R16	1507-20103-610	RESISTOR CHIP 10kΩ, 1/10W	1	
R17	1507-20103-610	RESISTOR CHIP 10kΩ, 1/10W	1	
R18	1507-20104-610	RESISTOR CHIP 100kΩ, 1/10W	1	
R19	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1	
R20	1507-20393-610	RESISTOR CHIP 39kΩ, 1/10W	1	
R21	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1	
R22	1507-20222-610	RESISTOR CHIP 2.2kΩ, 1/10W	1	
R23	1507-20222-610	RESISTOR CHIP 2.2kΩ, 1/10W	1	
R24	1507-20104-610	RESISTOR CHIP 100kΩ, 1/10W	1	
R25	1507-20182-610	RESISTOR CHIP 1.8kΩ, 1/10W	1	

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY
R26	1507-20103-610	RESISTOR CHIP 10kΩ, 1/10W	1
R27	1507-20133-610	RESISTOR CHIP 13kΩ, 1/10W	1
R28	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1
R29	1507-20271-610	RESISTOR CHIP 270Ω, 1/10W	1
R30	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1
R31	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1
R32	1507-20473-610	RESISTOR CHIP 47kΩ, 1/10W	1
R33	1507-20332-610	RESISTOR CHIP 3.3kΩ, 1/10W	1
R34	1507-20473-610	RESISTOR CHIP 47kΩ, 1/10W	1
R35	1507-20332-610	RESISTOR CHIP 3.3kΩ, 1/10W	1
R36	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1
R37	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1
R38	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1
R39	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1
R40	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1
R41	1507-20102-610	RESISTOR CHIP 1kΩ, 1/10W	1
R42	1507-20105-610	RESISTOR CHIP 1MΩ, 1/10W	1
R43	1507-20221-610	RESISTOR CHIP 220Ω, 1/10W	1
R44	1507-20103-610	RESISTOR CHIP 10kΩ, 1/10W	1
R45	1507-20103-610	RESISTOR CHIP 10kΩ, 1/10W	1
R46	1507-20222-610	RESISTOR CHIP 2.2kΩ, 1/10W	1
R47	1507-20223-610	RESISTOR CHIP 22kΩ, 1/10W	1
R48	1507-20473-610	RESISTOR CHIP 47kΩ, 1/10W	1
R49	1507-20750-610	RESISTOR CHIP 75Ω, 1/10W	1
R50	1507-20100-610	RESISTOR CHIP 10Ω, 1/10W	1
R51	1507-20202-610	RESISTOR CHIP 2kΩ, 1/10W	1
R52	1507-20393-610	RESISTOR CHIP 39kΩ, 1/10W	1

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY	REMARK
D802	2002-14148-110	S/W DIODE 0.5W 1N4148	1	
D803	2002-14148-110	S/W DIODE 0.5W 1N4148	1	
D804	2003-10620-110	ZENER DIOE 0.5W 6.2V	1	
D805	2002-14148-110	S/W DIODE 0.5W 1N4148	1	
D806	2001-60104-220	FAST RECT DIODE 1A FR104	1	
D807	2001-60104-220	FAST RECT DIODE 1A FR104	1	
D808	2001-60105-210	FAST RECT DIODE 1A FR105	1	
D809	2001-60104-220	FAST RECT DIODE 1A FR104	1	
D901	2009-11100-200	LED DIODE RED SLR-34VR3	1	
IC601	2110-11003-110	IC ANALOG S/W GD4066	1	
IC602	2110-11003-100	IC TIMER KIA555P	1	
IC701	2109-10000-190	IC OP AMP KIA6278S	1	
IC801	2111-10003-100	IC DEFLECTION TEA2037A	1	
IC901	2104-11005-900	IC REGULATOR L7812CV	1	
SW601	3002-A2160-200	COIL LINEARITY 16uH	1	
SW602	3002-A2160-200	COIL LINEARITY 16uH	1	
SW603	3002-A2160-200	COIL LINEARITY 16uH	1	
SW901	3403-62004-000	SLIDE SWITCH 2C-2P	1	
CN601	3605-00100-000	JACK MINI DIN DB-91010-1 4P	1	
CN602	3605-00100-000	JACK MINI DIN DB-91010-1 4P	1	
CN603	3604-00002-000	RCA JACK JW-4104	1	
CN701	4501-02001-500	WAFER 한림 2P 2.5PITCH	1	
CN801	4501-02001-500	WAFER 한림 2P 2.5PITCH	1	
CN802	4501-02001-500	WAFER 한림 2P 2.5PITCH	1	
CN803	4401-08216-050	WI' CON' 24 8BH-2.5-160	1	
CN804	4401-08216-050	WI' CON' 24 8BH-2.5-160	1	

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY
C820	1703-81006-211	CAP. ELECTROLYTIC 10㎌/100V	1
C821	1701-B1035-220	CAP. CERAMIC 0.01㎌/500V	1
C822	1703-81006-211	CAP. ELECTROLYTIC 10㎌/100V	1
C901	1703-41026-321	CAP. ELECTROLYTIC 1000㎌/25V	1
C902	1703-33316-212	CAP. ELECTROLYTIC 330㎌/16V	1
Q601	1901-13199-311	TRANSISTOR KTC3200-Y	1
Q602	1901-13199-311	TRANSISTOR KTC3200-Y	1
Q603	1901-13199-311	TRANSISTOR KTC3200-Y	1
Q701	1901-13199-311	TRANSISTOR KTC3200-Y	1
Q702	1901-13199-311	TRANSISTOR KTC3200-Y	1
Q703	1901-13199-311	TRANSISTOR KTC3200-Y	1
Q704	1902-21267-311	TRANSISTOR 2SA 1267-Y	1
Q705	1901-13199-311	TRANSISTOR KTC3200-Y	1
Q706	1901-13199-311	TRANSISTOR KTC3200-Y	1
Q707	1901-21267-311	TRANSISTOR KTC3206-Y	1
Q801	1901-10362-J00	TRANSISTOR KSD362R	1
Q802	1901-10362-J00	TRANSISTOR KSD362R	1
D601	2002-14148-110	S/W DIODE 0.5W 1N4148	1
D602	2009-11200-300	LED DIODE GREEN SLR-34MG3	1
D603	2009-11200-300	LED DIODE GREEN SLR-34MG3	1
D604	2009-11200-300	LED DIODE GREEN SLR-34MG3	1
D701	2002-64004-110	RECT DIDOE 1A 1N4004	1
D702	2002-75391-210	RECT DIODE 1.5A 1N5391	1
D703	2002-75391-210	RECT DIODE 1.5A 1N5391	1
D704	2002-75391-210	RECT DIODE 1.5A 1N5391	1
D801	2002-64004-110	RECT DIDOE 1A 1N4004	1

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY	REMARK
R53	1507-20103-610	RESISTOR CHIP 10kΩ, 1/10W	1	
VR1	1604-50311-000	CHIP V/R 50K B 4Pi 3PIN T/P	1	
VR2	1604-20211-000	CHIP V/R 2K B 4Pi 3PIN T/P	1	
VR3	1604-10311-000	CHIP V/R 10K B 4Pi 3PIN T/P	1	
VR4	1604-20211-000	CHIP V/R 2K B 4Pi 3PIN T/P	1	
C1	1709-11066-030	CAP. TAN' CHIP 10㎌/6.3V	1	
C2	1709-61035-710	CAP. CERMAIC CHIP 0.01㎌/50V	1	
C3	1709-32266-020	CAP. TAN' CHIP 4.7㎌/16V	1	
C4	1709-41058-010	CAP. MULT' CHIP 1㎌/25V	1	
C5	1709-61048-010	CAP. CERMAIC CHIP 0.1㎌/50V	1	
C6	1709-41066-020	CAP. TAN' CHIP 10㎌/25V	1	
C7	1703-12206-303	CAP. ELECTROLYTIC 22㎌/6.3V	1	
C8	1709-32266-020	CAP. TAN' CHIP 22㎌/10V	1	
C9	1709-61048-010	CAP. CERMAIC CHIP 0.1㎌/50V	1	
C10	1709-32266-020	CAP. TAN' CHIP 4.7㎌/16V	1	
C11	1709-61048-010	CAP. CERMAIC CHIP 0.1㎌/50V	1	
C13	1709-32266-020	CAP. TAN' CHIP 22㎌/10V	1	
C14	1709-32266-020	CAP. TAN' CHIP 22㎌/10V	1	
C15	1709-61035-710	CAP. CERMAIC CHIP 0.01㎌/50V	1	
C16	1709-62204-110	CAP. CERMAIC CHIP 22㎌/50V	1	
C17	1709-21016-030	CAP. TAN' CHIP 1㎌/10V	1	
C18	1709-61048-010	CAP. CERMAIC CHIP 0.1㎌/50V	1	
C19	1709-61025-711	CAP. CERMAIC CHIP 0.001㎌/50V	1	
C20	1709-32266-020	CAP. TAN' CHIP 22㎌/10V	1	
C21	1709-42255-033	CAP. TAN' CHIP 2.2㎌/20V	1	
C22	1709-42255-033	CAP. TAN' CHIP 2.2㎌/20V	1	

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY
C24	1709-61025-711	CAP. CERMAIC CHIP 0.001μF/50V	1
C25	1709-63304-110	CAP. CERMAIC CHIP 33μF/50V	1
C26	1709-63304-110	CAP. CERMAIC CHIP 33μF/50V	1
C27	1709-32266-020	CAP. TAN' CHIP 22μF/10V	1
C29	1709-61035-710	CAP. CERMAIC CHIP 0.01μF/50V	1
C30	1709-24756-031	CAP. TAN' CHIP 4.7μF/10V	1
C31	1709-24756-031	CAP. TAN' CHIP 4.7μF/10V	1
C32	1709-61048-010	CAP. CERMAIC CHIP 0.1μF/50V	1
C33	1709-61048-010	CAP. CERMAIC CHIP 0.1μF/50V	1
C34	1709-61048-010	CAP. CERMAIC CHIP 0.1μF/50V	1
C35	1703-11016-305	CAP. ELECTROLYTIC 100μF/6.3V	1
C36	1709-65614-110	CAP. CERMAIC CHIP 560pF/50V	1
C37	1709-53346-030	CAP. TAN' CHIP 0.33μF/35V	1
C38	1709-61025-711	CAP. CERMAIC CHIP 0.001μF/50V	1
Q1	1909-13875-510	TRANSISTOR CHIP KTC3875SGR(ALG)	1
Q2	1909-13875-510	TRANSISTOR CHIP KTC3875SGR(ALG)	1
Q3	1909-13875-510	TRANSISTOR CHIP KTC3875SGR(ALG)	1
Q4	1909-21504-510	TRANSISTOR CHIP KTA1504SGR(ASG)	1
Q5	1909-13875-510	TRANSISTOR CHIP KTC3875SGR(ALG)	1
Q6	1909-13875-510	TRANSISTOR CHIP KTC3875SGR(ALG)	1
Q7	1507-20000-610	RESISTOR CHIP 0Ω, 1/10W	1
D1	2001-10226-410	S/W DIODE 0.5W KDS226 C3 CHIP	1
D2	2001-10226-410	S/W DIODE 0.5W KDS226 C3 CHIP	1
IC1	2309-11304-500	IMAGE SEER 1/3" LZ2314Z	1
IC2	2130-20074-000	IC V-DRIVER MN3110SA	1
IC3	2106-20004-070	IC TIMMING LZ95G41	1
IC4	2131-20004-000	IC VIDEO PROCESS CXA1310AQ	1
IC5	2101-07100-319	IC COMPARATOR KA2903D	1

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY	REMARK
C712	1703-34706-210	CAP. ELECTROLYTIC 47μF/10V	1	
C713	1703-32216-211	CAP. ELECTROLYTIC 220μF/16V	1	
C714	1703-31016-210	CAP. ELECTROLYTIC 100μF/16V	1	
C715	1703-34706-210	CAP. ELECTROLYTIC 47μF/16V	1	
C716	1715-41025-710	CAP. TUBULAR 1000pF/50V	1	
C717	1703-34706-210	CAP. ELECTROLYTIC 47μF/16V	1	
C718	1703-81006-211	CAP. ELECTROLYTIC 10μF/100V	1	
C719	1701-61048-010	CAP. CERAMIC 0.1μF/50V	1	
C801	1703-32216-211	CAP. ELECTROLYTIC 220μF/16V	1	
C802	1703-44706-210	CAP. ELECTROLYTIC 47μF/25V	1	
C803	1704-21045-310	CAP. METALIZED 0.1μF/50V	1	
C804	1704-22245-310	CAP. METALIZED 0.22μF/50V	1	
C805	1703-31016-210	CAP. ELECTROLYTIC 100μF/16V	1	
C806	1701-61014-110	CAP. CERAMIC 100pF/50V	1	
C807	1704-21045-310	CAP. METALIZED 0.1μF/50V	1	
C808	1702-82224-210	CAP. MYLAR 0.0022μF/100V	1	
C809	1702-82234-210	CAP. MYLAR 0.022μF/100V	1	
C810	1703-60106-210	CAP. ELECTROLYTIC 1μF/50V	1	
C811	1702-81534-210	CAP. MYLAR 0.015μF/100V	1	
C812	1702-84734-210	CAP. MYLAR 0.047μF/100V	1	
C813	1703-34796-210	CAP. ELECTROLYTIC 4.7μF/16V	1	
C814	1702-81024-210	CAP. MYLAR 0.001μF/100V	1	
C815	1704-24745-310	CAP. METALIZED 0.47μF/50V	1	
C816	1703-32226-321	CAP. ELECTROLYTIC 2200μF/16V	1	
C817	1704-81044-120	CAP. MPP 0.1μF/250V	1	
C818	1705-41005-322	CAP. B/P 10μF/25V	1	
C819	1703-80106-210	CAP. ELECTROLYTIC 1μF/100V	1	

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY
R829	1501-10104-610	RESISTOR 1MΩ, 1/5W	1
R830	1501-10274-610	RESISTOR 270Ω, 1/5W	1
R901	1501-10331-610	RESISTOR 3.3Ω, 1/5W	1
VR601	1603-00505-000	V/R 4BLOCK RK09Z4410	1
VR701	1603-00505-000	V/R 4BLOCK RK09Z4410	1
VR702	1603-00505-000	V/R 4BLOCK RK09Z4410	1
VR801	1601-61201-333	SEMI FIX V/R CET 065 B 200	1
VR802	1601-61502-331	SEMI FIX V/R CET 065C B 5K	1
VR803	1601-61205-333	SEMI FIX V/R CET 065C B 2M	1
VR804	1603-00505-000	V/R 4BLOCK RK09Z4410	1
VR805	1601-6102-333	SEMI FIX V/R CET 065C B 5CCK	1
C601	1701-62238-010	CAP. CERAMIC 0.022μF/50V	1
C602	"	"	1
C603	1703-34706-210	CAP. ELECTROLYTIC 47μF/16V	1
C604	1703-34706-210	CAP. ELECTROLYTIC 47μF/16V	1
C605	1703-32206-210	CAP. ELECTROLYTIC 22μF/16V	1
C606	1701-61038-010	CAP. CERAMIC 0.01μF/50V	1
C701	1703-32216-211	CAP. ELECTROLYTIC 220μF/16V	1
C702	1703-34706-210	CAP. ELECTROLYTIC 47μF/16V	1
C703	1703-34706-210	CAP. ELECTROLYTIC 47μF/16V	1
C704	1702-84734-210	CAP. MYLAR 0.047μF/100V	1
C705	1703-33316-212	CAP. ELECTROLYTIC 330μF/16V	1
C707	1703-34706-210	CAP. ELECTROLYTIC 47μF/16V	1
C708	1703-32216-211	CAP. ELECTROLYTIC 220μF/16V	1
C709	1703-34706-210	CAP. ELECTROLYTIC 47μF/16V	1
C710	1703-32216-211	CAP. ELECTROLYTIC 220μF/16V	1
C711	1703-34706-210	CAP. ELECTROLYTIC 47μF/16V	1

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY	REMARK
L1	3002-01120-100	COIL INDUCTOR AXIAL 12uH	1	
L2	3002-01120-100	COIL INDUCTOR AXIAL 12uH	1	
L3	3002-01120-100	COIL INDUCTOR AXIAL 12uH	1	
L4	3002-01120-100	COIL INDUCTOR AXIAL 12uH	1	
L5	3002-01120-100	COIL INDUCTOR AXIAL 12uH	1	
L6	3002-01470-100	COIL INDUCTOR AXIAL 47uH	1	
X1	3201-81906-980	CRYSTAL UNIT ATS49/u 4.43625	1	
	3605-00100-000	JACK MINI DIN DB-91010-1 4P	1	
	4501-05002-700	WAFER 연호 5P 2.5PITCH	2	
	4625-05090-110	PCB CAMERA	1	
	5101-11002-000	LENS 3.6mm 92.6° 1/3"	1	

PARTS LIST

CONVERTOR PCB

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY
R1	1507-20331-610	RESISTOR CHIP 330Ω , 1/10W	1
R2	1507-20331-610	RESISTOR CHIP 330Ω , 1/10W	1
R3	1507-20331-610	RESISTOR CHIP 330Ω , 1/10W	1
R4	1507-20479-610	RESISTOR CHIP 4.7Ω , 1/10W	1
R5	1507-20479-610	RESISTOR CHIP 4.7Ω , 1/10W	1
R6	1507-20471-610	RESISTOR CHIP 470Ω , 1/10W	1
R7	1507-20471-610	RESISTOR CHIP 470Ω , 1/10W	1
R8	1507-20100-610	RESISTOR CHIP 10Ω , 1/10W	1
R9	1507-20102-610	RESISTOR CHIP 1kΩ , 1/10W	1
R10	1507-20102-610	RESISTOR CHIP 1kΩ , 1/10W	1
R11	1507-20223-610	RESISTOR CHIP 22kΩ , 1/10W	1
R12	1507-20271-610	RESISTOR CHIP 270Ω , 1/10W	1
R13	1507-20821-610	RESISTOR CHIP 820Ω , 1/10W	1
R14	1507-20821-610	RESISTOR CHIP 820Ω , 1/10W	1
R15	1507-20000-610	RESISTOR CHIP 0Ω , 1/10W	1
R16	1507-20000-610	RESISTOR CHIP 0Ω , 1/10W	1
R17	1507-30471-610	RESISTOR CHIP 470Ω , 1/8W	1
R18	1507-30471-610	RESISTOR CHIP 470Ω , 1/8W	1
R19	1501-20150-610	RESISTOR 15Ω , 1/3W	1
R20	1501-10229-610	RESISTOR 2.2Ω , 1/5W	1
C1	1703-33316-312	CAP. ELEC' 330μF/16V	1
C3	1709-32266-020	CAP. TAN' CHIP 22μF/10V	1
C4	1709-41058-010	CAP. MULT' CHIP 1μF/25V	1
C5	1709-41058-010	CAP. MULT' CHIP 1μF/25V	1

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY	REMARK
R734	1501-10101-610	RESISTOR 100Ω , 1/5W	1	
R801	1501-10339-610	RESISTOR 3.3Ω , 1/5W	1	
R802	1501-10221-610	RESISTOR 220kΩ , 1/5W	1	
R803	1501-10754-610	RESISTOR 750kΩ , 1/5W	1	
R805	1501-10334-610	RESISTOR 330Ω , 1/5W	1	
R806	1501-10333-610	RESISTOR 33Ω , 1/5W	1	
R808	1501-10683-610	RESISTOR 68kΩ , 1/5W	1	
R809	1501-10392-610	RESISTOR 3.3kΩ , 1/5W	1	
R810	1501-10473-610	RESISTOR 47kΩ , 1/5W	1	
R811	1501-10100-610	RESISTOR 10Ω , 1/5W	1	
R812	1501-30151-610	RESISTOR 150Ω , 1/2W	1	
R814	1501-10229-610	RESISTOR 2.2Ω , 1/5W	1	
R815	1501-10563-610	RESISTOR 56kΩ , 1/5W	1	
R816	1501-10823-610	RESISTOR 82kΩ , 1/5W	1	
R817	1501-10331-610	RESISTOR 330Ω , 1/5W	1	
R818	1501-10183-610	RESISTOR 18kΩ , 1/5W	1	
R819	1501-10680-610	RESISTOR 68Ω , 1/5W	1	
R820	1501-10010-610	RESISTOR 1Ω , 1/5W	1	
R821	1501-10332-610	RESISTOR 3.3Ω , 1/5W	1	
R822	1501-10473-610	RESISTOR 47kΩ , 1/5W	1	
R823	1501-10681-610	RESISTOR 680kΩ , 1/5W	1	
R824	1501-10682-610	RESISTOR 6.8kΩ , 1/5W	1	
R825	1501-10124-610	RESISTOR 120kΩ , 1/5W	1	
R826	1501-10102-610	RESISTOR 1kΩ , 1/5W	1	
R827	1501-10473-610	RESISTOR 47kΩ , 1/5W	1	
R828	1501-10473-610	RESISTOR 47kΩ , 1/5W	1	

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY
R705	1501-10681-610	RESISTOR 680kΩ, 1/5W	1
R706	1501-10473-610	RESISTOR 47kΩ, 1/5W	1
R707	1501-10273-610	RESISTOR 27kΩ, 1/5W	1
R708	1501-10472-610	RESISTOR 470Ω, 1/5W	1
R709	1501-20220-610	RESISTOR 22Ω, 1/3W	1
R710	1501-10560-610	RESISTOR 56Ω, 1/5W	1
R711	1501-10103-610	RESISTOR 10kΩ, 1/5W	1
R712	1501-10470-610	RESISTOR 47Ω, 1/5W	1
R713	1501-10473-610	RESISTOR 47kΩ, 1/5W	1
R714	1501-10273-610	RESISTOR 27kΩ, 1/5W	1
R715	1501-10681-610	RESISTOR 680kΩ, 1/5W	1
R716	1501-10271-610	RESISTOR 270Ω, 1/5W	1
R717	1501-10471-610	RESISTOR 470Ω, 1/5W	1
R718	1501-10151-610	RESISTOR 150Ω, 1/5W	1
R719	1501-10223-610	RESISTOR 22kΩ, 1/5W	1
R720	1501-10473-610	RESISTOR 47kΩ, 1/5W	1
R721	1501-10331-610	RESISTOR 330Ω, 1/5W	1
R722	1501-10222-610	RESISTOR 2.2kΩ, 1/5W	1
R724	1501-10750-610	RESISTOR 75Ω, 1/5W	1
R725	1501-10271-610	RESISTOR 270Ω, 1/5W	1
R726	1501-10103-610	RESISTOR 10kΩ, 1/5W	1
R727	1501-10182-610	RESISTOR 1.8kΩ, 1/5W	1
R730	1501-10471-610	RESISTOR 470Ω, 1/2W	1
R731	1501-10332-610	RESISTOR 3.3Ω, 1/5W	1
R732	1501-10682-610	RESISTOR 6.8kΩ, 1/5W	1
R733	1501-20682-610	RESISTOR 6.8kΩ, 1/3W	1

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY	REMARK
C6	1709-41058-010	CAP. MULT' CHIP 1μF/25V	1	
C7	1709-41058-010	CAP. MULT' CHIP 1μF/25V	1	
C8	1709-41058-010	CAP. MULT' CHIP 1μF/25V	1	
C9	1709-63304-110	CAP. CERMAIC CHIP 33pF/50V	1	
C10	1709-41058-010	CAP. MULT' CHIP 1μF/25V	1	
C11	1709-61035-710	CAP. CERMAIC CHIP 0.01μF/50V	1	
C12	1709-41058-010	CAP. MULT' CHIP 1μF/25V	1	
C13	1709-24756-031	CAP. TAN' CHIP 4.7μF/10V	1	
C14	1709-41066-040	CAP. TAN' CHIP 10μF/25V	1	
C15	1709-41066-040	CAP. TAN' CHIP 10μF/25V	1	
C16	1709-24756-030	CAP. TAN' CHIP 4.7μF 10V	1	
C17	1709-61025-711	CAP. CERMAIC CHIP 0.001μF/50V	1	
C18	1709-24756-030	CAP. TAN' CHIP 4.7μF 10V	1	
C19	1709-32266-020	CAP. TAN' CHIP 22μF/10V	1	
C20	1709-61025-711	CAP. CERMAIC CHIP 0.001μF/50V	1	
C21	1709-34766-020	CAP. TAN' CHIP 47μF/10V	1	
Q1	1909-21504-510	TRANSISTOR CHIP KTA1504SGR(ASG)	1	
Q2	1909-13875-510	TRANSISTOR CHIP KTC3875SGR(ALG)	1	
Q3	1909-14375-310	TRANSISTOR CHIP KTC4375Y(GY)	1	
Q4	1909-21663-310	TRANSISTOR CHIP KTA1663Y(HY)	1	
Q5	1909-21504-510	TRANSISTOR CHIP KTA1504SGR(ASG)	1	
Q6	1909-13875-510	TRANSISTOR CHIP KTC3875SGR(ALG)	1	
Q7	1909-13875-510	TRANSISTOR CHIP KTC3875SGR(ALG)	1	
Q8	1909-13875-510	TRANSISTOR CHIP KTC3875SGR(ALG)	1	
D1	2001-10226-410	S/W DIODE 0.5W KDS226 C3 CHIP	1	
D2	2001-10226-410	S/W DIODE 0.5W KDS226 C3 CHIP	1	

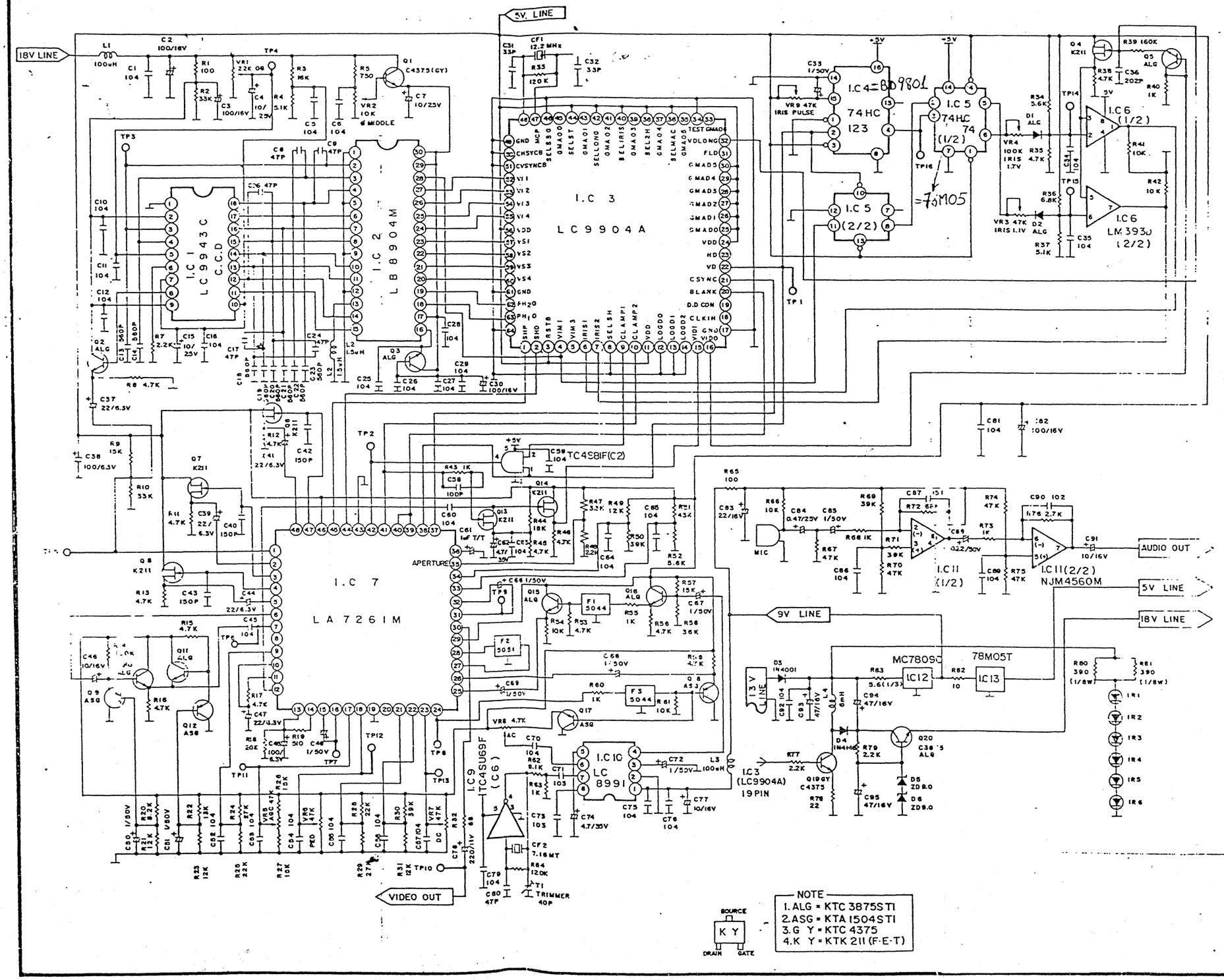
LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY
D3	2001-10226-410	S/W DIODE 0.5W KDS226 C3 CHIP	1
D4	2001-10226-410	S/W DIODE 0.5W KDS226 C3 CHIP	1
D5	2001-10226-410	S/W DIODE 0.5W KDS226 C3 CHIP	1
D6	2001-10226-410	S/W DIODE 0.5W KDS226 C3 CHIP	1
ZD1	2003-10910-610	ZENER DIODE 0.5W 9.1V B	1
ZD2	2003-11601-110	ZENER DIODE 0.5W 16V C	1
W1	4501-05002-700	WAFER 연호 BMH250-05S	1
W2	4501-05002-700	WAFER 연호 BMH250-05S	1
IC1	2104-11002-A10	IC REGULATOR 78M05T	1
	2016-01011-001	INFRARED LED SIR-567ST3F	4
	4627-00502-010	PCB CONVERTOR	1
	4901-10002-100	MIC CONDENER 10Pi 56DB	1

P A R T S L I S T

MONITOR

LOCATION NO.	CODE NO.	DESCRIPTION	Q'TY	REMARK
R601	1501-10103-610	RESISTOR 10kΩ, 1/5W	1	
R602	1501-10750-610	RESISTOR 75Ω, 1/5W	1	
R603	1501-10103-610	RESISTOR 10kΩ, 1/5W	1	
R604	1501-10750-610	RESISTOR 75Ω, 1/5W	1	
R605	1501-10101-610	RESISTOR 100Ω, 1/5W	1	
R606	1501-10103-610	RESISTOR 10kΩ, 1/5W	1	
R607	1501-10750-610	RESISTOR 75Ω, 1/5W	1	
R608	1501-10101-610	RESISTOR 100Ω, 1/5W	1	
R609	1501-10563-610	RESISTOR 56kΩ, 1/5W	1	
R610	1501-10102-610	RESISTOR 1kΩ, 1/5W	1	
R611	1501-10103-610	RESISTOR 10kΩ, 1/5W	1	
R612	1501-10104-610	RESISTOR 100kΩ, 1/5W	1	
R613	1501-10103-610	RESISTOR 10kΩ, 1/5W	1	
R614	1501-10473-610	RESISTOR 47kΩ, 1/5W	1	
R615	1501-10101-610	RESISTOR 100Ω, 1/5W	1	
R616	1501-10152-610	RESISTOR 1.5kΩ, 1/5W	1	
R617	1501-10222-610	RESISTOR 2.2kΩ, 1/5W	1	
R618	1501-10222-610	RESISTOR 2.2kΩ, 1/5W	1	
R619	1501-10152-610	RESISTOR 1.5kΩ, 1/5W	1	
R620	1501-10222-610	RESISTOR 2.2kΩ, 1/5W	1	
R621	1501-10473-610	RESISTOR 47kΩ, 1/5W	1	
R701	1501-20220-610	RESISTOR 22Ω, 1/3W	1	
R702	1501-10473-610	RESISTOR 47kΩ, 1/5W	1	
R703	1501-10153-610	RESISTOR 15kΩ, 1/5W	1	
R704	1501-10152-610	RESISTOR 1.5kΩ, 1/5W	1	

ANTCO 75 SCHEMATIC DIAGRAM



TERMINAL NETWORK NT101

C1/C2 AUDIO INPUT

GROUND

VIDEO 1

VIDEO 2

C1 B

C2 B

VIDEO / CUT

AUDIO / CUT

JK-101

SW101

VIDEO (C1)

VIDEO2 (C2)

JK 401 DC INPUT

SW401 ON OFF

VR201 SOUND VOLUME B10K

VR301 V-HOLD B10K

VR302 V-SIZE B500

VR303 H-HOLD B5K

VR401 B.5K

VR402 B500

VR101 CONT. B1K

VR3C4 SCREEN

VR3C5 FOCUS

V-OSC

V-OUT

VOLTIGE BOOSTER

SYNC SEPARATOR

H-AFC

H-OSC

SHUNT-REGULATOR

H-PRE DRIVER

TAB

I.C 301 UPC1379-C or (KA2133)

I.C 201 KA 2201

SP201 SPEAKER 0.5W 16 ohms

GND

B+

L331 H-DY

H.V DIODE

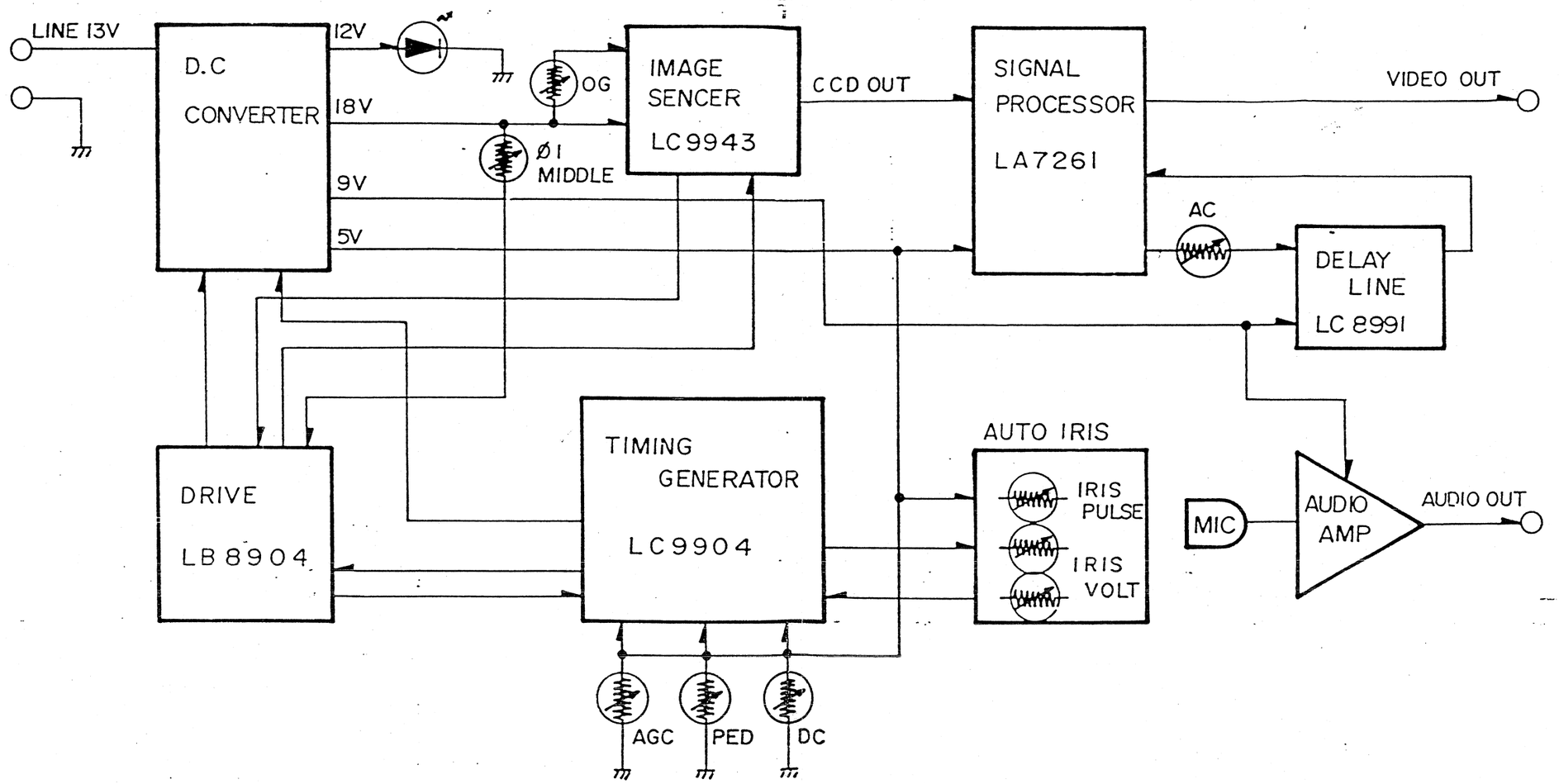
METALISE

T 301 F.B.T BTB-05063

JK 301 V-301 5KNU4 (or 140 BL84)

A	B	C	D	E	F	G	H	I	J	K
2.5Vp-p	1.5Vp-p	20Vp-p	0.8Vp-p	2.5Vp-p	65Vp-p	350Vp-p	2.2Vp-p	1.2Vp-p	1.3Vp-p	20Vp-p

ANTCO 75 BLOCK DIAGRAM



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